

CLAIMS

What is claimed is:

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1. A mobile activity status tracker, comprising:
a database relating to individual wireless device subscribers;
a communications channel to allow entry of data into said
database via a signaling transfer point; and
a TCP/IP communications channel for communicating
information contained in said database to an external entity over at least
one of an Internet and an Intranet.
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2. The mobile activity status tracker according to claim 1,
wherein:
said communications channel utilizes a TCP/IP
15 communications protocol.
3. The mobile activity status tracker according to claim 1,
wherein:
said communications channel utilizes a Signaling System #7
20 communications protocol.
4. The mobile activity status tracker according to claim 3,
wherein:
said communications channel conforms to an IS-41
25 standard.
5. The mobile activity status tracker according to claim 1,
wherein:
said data entered into said database is previously forwarded
30 by a Home Location Register.

6. The mobile activity status tracker according to claim 5,
wherein:

5 said Home Location Register is a stand-alone Home
Location Register.

7. The mobile activity status tracker according to claim 6,
wherein:

10 said Home Location Register is integrated with a message
servicing center on a common platform.

8. The mobile activity status tracker according to claim 1,
wherein:

15 said mobile activity status tracker is external to a Home
Location Register servicing said individual wireless device subscribers

9. The mobile activity status tracker according to claim 8,
wherein:

20 said mobile activity status tracker communicates with said
Home Location Register servicing said individual wireless device
subscribers using a Signaling System #7 protocol.

10. The mobile activity status tracker according to claim 9,
wherein:

25 said mobile activity status tracker communicates with said
Home Location Register servicing said individual wireless device
subscribers using an IS-41 protocol.

15. The method of providing a database of presence and location information regarding wireless system subscribers according to claim 14, wherein:

5 said registration notification message is forwarded through a signaling transfer point between said Home Location Register and said mobile activity status tracker.

16. The method of providing a database of presence and location information regarding wireless system subscribers according to claim 14, wherein:

10 said registration notification message is signaling system #7 and IS-41 compliant.

17. The method of providing a database of presence and location information regarding wireless system subscribers according to claim 16, wherein:

said registration notification message is IS-41 compliant.

18. The method of providing a database of presence and location information regarding wireless system subscribers according to claim 14, wherein:

said Home Location Register is a stand-alone Home Location Register.

19. Apparatus for providing a database of presence and location information regarding wireless system subscribers, comprising:

means for forwarding a registration notification message from a Home Location Register to a mobile activity status tracker; and

5 means for transmitting at least one of presence and location information relating to at least one wireless system subscriber to an application server via at least one of an Internet and an Intranet.

20. The apparatus for providing a database of presence and location information regarding wireless system subscribers according to claim 19, further comprising:

means for comparing a temporary record with entries in said database to determine any changes in activity status relating to a relevant wireless device; and

15 means for overwriting an existing record with said temporary record if a change in activity status is determined.

21. The apparatus for providing a database of presence and location information regarding wireless system subscribers according to claim 20, wherein:

said means for forwarding forwards said registration notification message through a signaling transfer point between said Home Location Register and said mobile activity status tracker.

22. The apparatus for providing a database of presence and location information regarding wireless system subscribers according to claim 20, wherein:

said registration notification message is signaling system #7 compliant.

23. The apparatus for providing a database of presence and location information regarding wireless system subscribers according to claim 22, wherein:

said registration notification message is IS-41 compliant.

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24. The apparatus for providing a database of presence and location information regarding wireless system subscribers according to claim 20, wherein:

said Home Location Register is a stand-alone Home Location Register.

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25. Apparatus for providing a database of presence and location information regarding wireless system subscribers, comprising:

means for copying and forwarding to a mobile activity status tracker a registration notification message sent to a Home Location Register; and

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means for transmitting at least one of presence and location information relating to at least one wireless system subscriber to an application server via at least one of an Internet and an Intranet.

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26. The apparatus for providing a database of presence and location information regarding wireless system subscribers according to claim 25, further comprising:

means for comparing a temporary record with entries in said database to determine any changes in activity status relating to a relevant wireless device; and

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means for overwriting an existing record with said temporary record if a change in activity status is determined.

27. The apparatus for providing a database of presence and location information regarding wireless system subscribers according to claim 26, wherein:

5 said means for copying and forwarding sends said copied registration notification message over a TCP/IP connection to said mobile activity status tracker.

28. The apparatus for providing a database of presence and location information regarding wireless system subscribers according to claim 26, wherein:

10 said registration notification message is sent to said Home Location Register using signaling system #7 protocol; and

15 said means for copying and forwarding sends said copied registration notification message over a TCP/IP connection to said mobile activity status tracker.

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